



U.S. Department
of Transportation

Research and
Special Programs
Administration

IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIAL
CERTIFICATE NUMBER USA/0114/S, REVISION 6

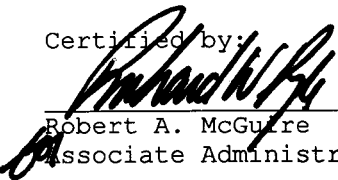
400 Seventh Street, S.W.
Washington, D.C. 20590

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency¹ and United States of America² for the transport of radioactive materials.

1. Source Identification - Gulf Nuclear, Inc. Model No. AmBe 71-1.
2. Source Description - Cylindrical double encapsulation made of stainless steel. Approximate external dimensions are from 19 mm (0.75 in.) to 31 mm (1.25 in.) in diameter and from 25.4 mm (1.0 in.) to 79 mm (3.13 in.) in length. The end plugs of the inner and outer capsules are sealed by heliarc welds. The outer capsule has a wall thickness of 1.5 mm (0.06 in.). Construction shall be in accordance with attached Drawing No. PL-01.
3. Radioactive Contents - Not more than 0.18 TBq (5 Ci) of Americium-241 in an oxide form mixed with Beryllium powder.
4. Restrictions - This certificate is only valid for Special Form sources manufactured prior to 1988.
5. Quality Assurance - Records of Quality Assurance activities required by paragraph 310 of the IAEA regulations¹ shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors and consignees in the United States exporting or importing shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.
6. Expiration Date - This certificate expires May 15, 2008.

This certificate is issued in accordance with paragraph 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the March 5, 2003 petition and information submitted by AEA Technology QSA, Inc., Burlington, MA and in consideration of other information on file in this Office.

Certified by:


Robert A. McGuire

Associate Administrator for Hazardous Materials Safety

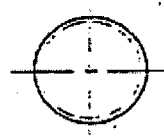
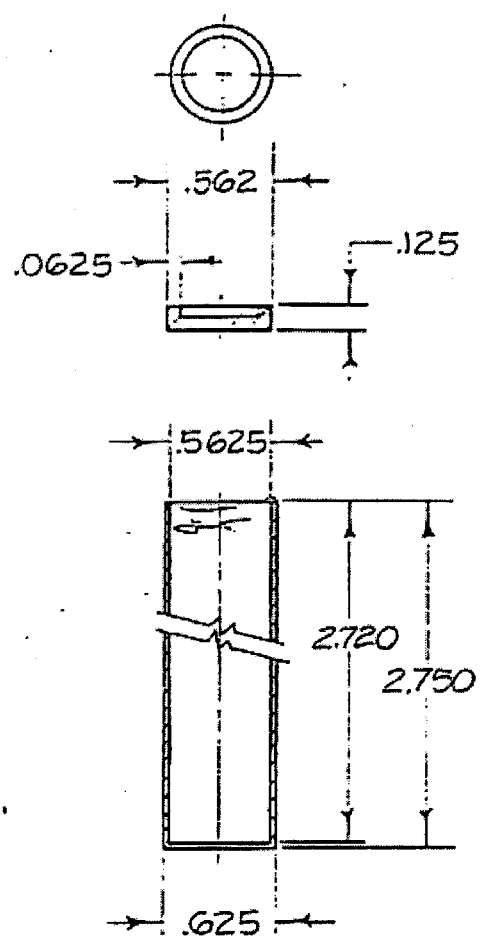
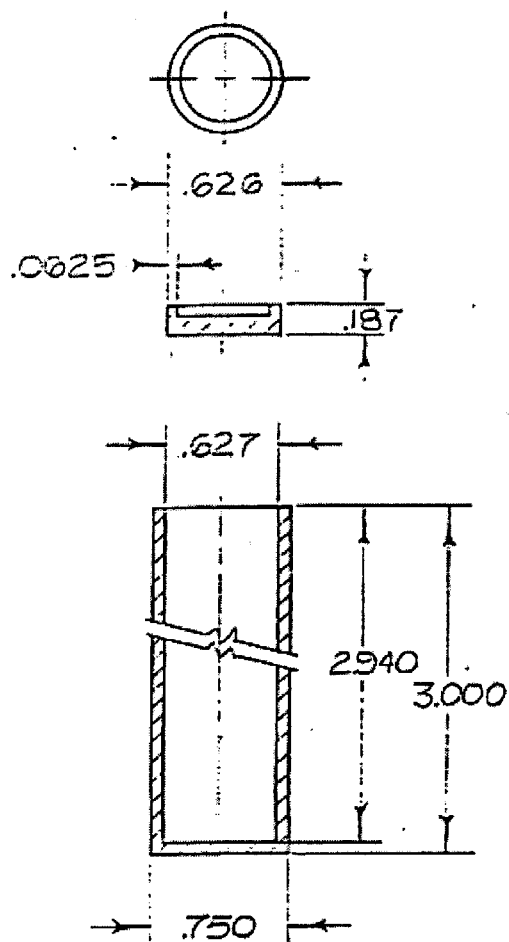
MAY 15 2003

(DATE)

Revision 6 - Issued to extend the expiration date.

¹ "Regulations for the Safe Transport of Radioactive Materials, 1996 Edition (Revised)", No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

² Title 49, Code of Federal Regulations, Parts 100 - 199, United States of America.



NOTE: PRESS FIT LIDS

REVISIONS			GULF NUCLEAR, INC.		
NO.	DATE	BY	AMBE 71-150i		
1			DRAWN BY L.A.	SCALE FULL	MATERIAL 17-4 PH SS
2					
3			CHK'D	DATE 11-24-81	DRAWING NO.
4					
5			TRACED	APP'D	PL-01